



**IN THE  
UNITED STATES  
PATENT AND TRADEMARK  
OFFICE**

<i>Application Number</i>	09/453,801
<i>Filing Date</i>	12/3/99
<i>First Named Inventor</i>	Saswati CHATTERJEE, et al.
<i>Group Art Unit</i>	1636
<i>Examiner Name</i>	G. Leffers, Jr.
<i>Attorney Docket Number</i>	1954-287

*Title of the Invention:* A METHOD OF GENETICALLY MODIFYING VERY PRIMITIVE QUIESCENT  
HUMAN HEMATOPOIETIC STEM CELLS

TECH CENTER 1600/2900

OCT 04 2002

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**AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Advisory Action mailed September 5, 2002, Applicants request entry of the following amendments and reconsideration of the application. A Request for Continued Examination accompanies this response.

In the Claims:

Please cancel claims 6, 11, 12 and 16 and amend claims 1, 2, 7, 13, 19-21 and 23 as follows:

Clean Copy of Amended Claims

1. (Amended) A method for stably transferring DNA into multi-potential hematopoietic stem cells in the G0 phase of the cell cycle, which comprises transducing said multi-potential hematopoietic stem cells with an adeno-associated virus vector that contains said DNA, wherein the transferred DNA remains integrated into the genome of the multi-potential hematopoietic stem cells for at least 4 weeks.